Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

The American Midland Naturalist

PUBLISHED BI-MONTHLY BY THE UNIVERSITY
OF NOTRE DAME, NOTRE DAME, INDIANA

VOL. V. JANUARY, 1917. NO. 1.

# ENUMERANTUR PLANTAE DAKOTAE SEPTENTRIONALIS VASCULARES.—X.

ENUMERAVIT J. LUNELL.

## The Vascular Plants of North Dakota.—X.

With Notes by J. Lunell.

884. **Physostegia parviflora** Nutt.; Benth. in DC. Prodr. 12: 434. (1848).

Leeds.

*TETRAITH* Dillen. Gen., pone Catal. pl Giss. 103. (1719); Moench, Meth. 394. (1794).

*Galeopsis* Fuchs. Hist. 108. (1546) = *Scrophularia nodosa.* It is an impossible name, used for a number of different plants, and being etymologically absurd.

885. **Tetraith purpurascens** Gilib. Exerc. Phytolog. 94. (1792)

Towner County: Perth (O. A. Stevens).

*CARDIACA* Fuchs. Hist. 223. (1546) = *Leonurus Cardiaca.* Linn. has this name in Syst. (1735), as also Tour., antedating *L. Cardiaca.*

*Leonurus* Breynius (1678); Linn. Cuba has the form *Cordiata,* Hort. Sanit. 106. (1485).

886. **Cardiaca Stachys** Medic. Brobook 126. (1783).

*Cardiaca vulgaris* Moench, Meth. 401. (1794).

*Leonurus Cardiaca* Linn. Sp. Pl. 584. (1753).

Wahpeton (Bergman); Kulm (Brenckle).

*STACHYS* Diosc. 1. 3. c. 110, acc. to Sibthorp. (1813), Graec. pr. n. 1363 = *St. palestina* Linn. Sp. Pl. ed. II, 1674 (1763).

887. **Stachys scopulorum** Greene, Pittonia 3: 342. (1898).

Leeds, Turtle Mountains.

*MONARDA* Linn. Gen. Pl. (1737) p. 6. Hort. Cliff. (1737). p. 11. "Nomen obtinuit planta haec capite crasso a monardo utroque quorum alter in perquirendo quidquid salutare ex novo orbe proferunt plantae, quidquid sub Rosis et Citris obtulit natura; alter vero perquirendo veterum scripta orbi satisfacere studuit." —Hort. Cliff. p. 12.

888. **Monarda menthaefolia** Graham, Edinburgh, Phil. Journ. 347. (1829).

A profusely branching woodland plant. Turtle Mountains.

889. **Monarda menthaefolia** var. **praerea** Lunell, var. nov.

Caulis non ramosus. Stem not branched.

This plant grows on the prairie. Omemee, Thorne.

*HEDEOMA* Pers. Syn. 2: 131. (1807).

890. **Hedeoma hispida** Pursh. Fl. Am. Sept. 414. (1814).

*Hedeoma hirta* Nutt. Gen. I: 16. (118).

Leeds, Minot; Kulm (Brenckle).

891. **Hedeoma Drummondii** Benth. Lab. Gen. & Sp. 368. (1834).

Medora (Bergman).

*PHYTOSALPINX* Lunell, nom. nov. (Gr. φυτόν a plant, σαλπιγξ a bugle, alluding to the English name bugle-weed.

*Lycopus* Fuchs, Stirp. 223. (1549) = *Leonurus Cardiaca.*

*Lycopus* Tour. Inst. Rei. Herb. 190. (1700), Élém. 159. (1694), in which latter work he says: "Fuchs s'est servi de ce nom pour signifier l'agripaume; mais il devient inutile puisque l'usage a autorisé celui de *Cardiaca.* On me permettra donc de dépouiller *Lycopus* de son ancienne signification el de m'en servir pour exprimer un genre de plante que porte des fleurs" etc. Linnaeus took the name of Tour. Adanson refers *Lycopus* to Fuchs in Linnaean sense, but is wrong.

892. **Phytosalpinx americana** (Muhl.) Lunell.

*Lycopus americanus* Muhl.; Bart. Fl. Phil. Prodr. 15. (1815).

*Lycopus sinuatus* Ell Bot. S. C. & Ga. I: 26. (1817).

Leeds. Butte, Pleasant Lake, Turtle Mountains; Kulm (Brenckle).

893. **Phytosalpinx aspera** (Greene) Lunell.

*Lycopus asper* Greene, Pittonia 3:39. (1898).

Leeds, Pleasant Lake, Turtle Mountains.

894. **Phytosalpinx lucida** (Turcz.) Lunell.

*Lycopus lucidus* Turcz.; Benth. in DC. Prodr. 12: 178. (1848).

Pleasant Lake.

*MENTHA* Plinius XX:13, XIX:36 (*Menta*); Tour.; Wimm.

Grab. Fl. Siles. P. 2, p. 177. Gen. 280. *Minthos* Hippocrates. *Minthe* Theoph. Hist. 2:5.

895. **Mentha arvensis** var. **glabrata** (Benth.) Fern. in Gray's Man. VII.: 711. (1908).

*Mentha canadensis* var. *glabrata* Benth. in DC. Prodr. 12: 173. (1848).

*Mentha arvensis Penardi* Briq. Bull. Herb. Boiss. 3: 215. (1895).

*Mentha Penardi* (Briq.) Rydb. Bull. Torr. Bot. Club 33: 150. (1906).

Leeds, Peninsula of Lake Ibsen, Pleasant Lake.

896. **Mentha arvensis** var. **canadensis** (Linn.) Briquet, l. c.

*Mentha canadensis* Linn. Sp. Pl. 577. (1753).

Leeds, Peninsula of Lake Ibsen, Pleasant Lake.

Family 109. **SOLANACEAE** Pers. Syst. I: 214 (1805).

*NICANDRA* Adans. Fam. Pl. 2: 219. (1763).

*Physalodes* Boehm in Ludwig, Def. 42. (1760). Undesirable name, built on *Physalis*.

897. **Nicandra physalodes** (Linn.) Adans. l. c.

*Atropa physalodes* Linn. Sp. Pl. 181. (1753).

Kulm (Brenckle).

*PHYSALIS* Diosc. 4: 61 and Ruell. translation 337. (1547).

*Alkekengi* Lonicer (1551?)

*Vesicaria* Cordus, also Caesalpinus, Gesner, Castor Durante; Dodonaeus, Gall 302 (1557), and his *Vesicaria vulgaris* is = type *P. Alkekengi*, and he refers *Versicaria* to Plinius, Hist. XXII: 31.

898. **Physalis virginiana** Mill. Gard. Dict. ed. 8, n. 4. (1768).

Leeds, Butte, Minnewaukan, Dunsieth.

899. **Physalis heterophylla** Nees, Linnaea 6: 463. (1831).

Dickinson (Bergman).

900. **Physalis rotundata** Rydb. Mem. Torr. Bot. Club. 4: 352. (1896).

On dry plains.

*SOLANUM* Plinius, Hist. XXII: 31. Tour. Linn. Gen. 144. 145. (1737).

901. **Solanum nigrum** Hippocr. Wk. 875; Nicand. Ther. 94. 878; Theophr. Hist. Pl. locis variis; Diosc. 1: 4. 71 = *στρυχνος μελας κηταιος*; Linn. Sp. Pl. 186. (1753).

Leeds, Peninsula of Lake Ibsen.

902. **Solanum triflorum** Nutt. Gen. Pl. I: 128. (1818).

Leeds, Peninsula of Lake Ibsen; Fort Mandan (type locality).

903. **Solanum tuberosum** Linn.

Leeds.

*NYCTERIUM* Ventenat, Malm. Sub. I: 85. (1803).

*Solanum* Linn., in part.

904. **Nycterium rostratum** Link. Enum. Hort. Berol I: 189. (1821).

*Solanum rostratum* Dunal, Sol. Syn. 234. (1813).

*Solanum heterandrum* Pursh, Fl. Am. Sept. 156. (1814).

*Nycterium heterandrum* Heynh. Norm. II. 440. (1840).

*Androcera lobata* Nutt. Gen. I: 129. (1818).

*Androcera rostrata* (Dunal) Rydb. Bull. Torr. Bot. Club 33: 150. (1906).

Waste places.

*LYCOPERSICON* Galen. DeFac. Simpl. 4, also Anguillara Sempl. 217. (1561), Mill. Gard. Dict. ed. 7. (1759).

905. **Lycopersicon Galeni** Anguillara l. c., also C. Bauhin Pinax 16. (1623).

*Lycopersicon esculentum* Mill. Gard. Dict. ed. 8. (1768).

*Tumatle americanorum* Guillandini.

Leeds.

*STRAMONIA* Fuchs. Hist. Pl. 232 b. (1546). Tragus. Dod. Gesn. Camerarius, Chalraas.

*Melospinus* Tragus, St. Comm. 866. (1552).

*Datura* Acosta Tract. Drog. (1578). *Stramonium peregrinum* Lob. Adv. 1576 (1603), not *Str. peregrinum* Dod. (1557) = *Lycopersicum esculentum*. *Stramonium spinosum* Gerard Herb. 277. (1597).

906. **Stramonia foetida** (*Stramonium foetidum* **cor.**) Arabes (pro certo); Scop. Fl. Carn.

*Datura Stramonium* Linn. Sp. Pl. 179. (1753).

*HYOSCYAMUS* Diosc. 4:69, Plin. Tourn.

Kulm (Brenckle).

907. **Hyoscyamus niger** Plinius 25: 4. Linn. Sp. Pl. 179. (1753). Ὑοσκύαμος μέλας Diosc. l. c. acc. to Daubeny (acc. to Bubani = *H. albus!*).

*Hyoscyamus vulgaris* Nicander, Alexiph. 413; Gesner, Hort. Germ.; J. Bauhin, Hist. Pl.; Ray.

Family 110. **SCROPHULARIACEAE** Lindl. Nat. Syst. ed. 2. 288. (1826).

*VERBASCUM* Plinius Hist. xxv: 10. *φλομἡς* Hippocr. also Diosc. 4: 102.

908. **Verbascum leptophyllum** Fuchs. Hist. Stirp. p. 183; Cord. (V.) Hist. Pl. 1. 2, c. 116.

*Verbascum Blattaria* Linn. Sp. Pl. 178. (1753).

Fargo.

*LINARIA* Brunfels, Herb. 2: 43. (1532).

909. **Linaria vulgaris** Brunfels l. c.; Tragus Stirp. Hist. 356; Mill. Gard. Dict. ed. 8, No. 1. (1768).

*Antirrhinum Linaria* Linn. Sp. Pl. 616. (1753).

Leeds.

*SCROPHULARIA* Brunfels, Hist. Vic. Ic. I: 216. (1532). *Scrophularia peregrina* L = *Galeopsis* Diosc. 4: 93.

*Scrophularia chrysanthemifolia* L. = *ἡ ἕτερα Σιδερίτις* (*ἡ τρίτη*), Diosc. l. c.

910. **Scrophularia occidentalis** (Rydb.) Bicknell, Bull. Torr. Bot. Club 23: 315. (1896).

York, Pleasant Lake, Thorne.

911. **Scrophularia leporella** Bicknell in Bull. Torr. Bot. Club 23: 317. (1896).

Benson Co., acc., to specimen deposited in the Gray Herbarium by the writer in 1906.

*PENTSTEMON* Mitchell 1748 & 1769, see Am. Midl. Nat., Vol. III. 157. (1913).; Soland. in Ait. Hort. Kew. 3: 511. (1789).

912. **Pentstemon cristatus** Nutt. Gen. 2: 52. (1818).

Dickinson (Cl. Waldron.)

913. **Pentstemon albidus** Nutt. Gen. II: 53. (1818).

Leeds, Butte, Pleasant Lake.

914. **Pentstemon gracilis** Nutt. Gen. II: 52. (1818).

Leeds, Butte.

915. **Pentstemon grandiflorus** Nutt. in Fras. Cat. (1913).

Mandan (Bergman.)

916. **Pentstemon acuminatus** Dougl.; Lindl. Bot. Reg. 15: pl 1285. (1829).

Medora (Cl. Waldron).

917. **Pentstemon angustifolius** Pursh, Fl. Am. Sept. 738. (1814).

Dickinson (Cl. Waldron).

*MIMULUS* Linn. Hort. Upsal. 176. (April 26, 1748).

*Cynorrhinchium* Mitchell, Act. Ac. Carol. 8 or Ephem. Norim. (1748), see Am. Midl. Nat. Vol. III. 157. (1913).

918. **Mimulus ringens** Linn. Sp. Pl. 634. (1753).

Jamestown; Harwood (Bergman).

919. **Mimulus Geyeri** Torr. in Nicoll. Rep. Miss. 157. (1843).

*Mimulus Jamesii* T. & G.; Benth. in DC. Prodr. 10: 371. (1846).

"Fresh water springs, Devils Lake" (type locality); fresh water spring, Pleasant Lake.

*MONNIERA* P. Br. Civ. & Nat. Jam. 269. (1755).

*Herpestes* Gaertn. Fruct. & Sem. 3: 186. (1805).

920. **Monniera rotundifolia** Michx. Fl. Bor. Am. 2: 22. (1803).

*Herpestes rotundifolia* Pursh., Fl. Am. Sept. 418. (1814).

Emmons County, (Brenckle).

*GRATIOLA* Matthioli, Il Susaride, p. 449. (1552); Dodonaeus, Gall. (1557); Linn. Gen. 333. (1737) & 11. (1754).

921. **Gratiola virginiana** Linn. Sp. Pl. 17. (1753).

Leeds.

*ILYSANTHES* Raf. Am. Nat. 13. (1820).

922. **Ilysanthes dubia** (Linn.) Barnh. Bull. Torr. Bot. Club 376. (1899), acc. to Kew Index.

*Gratiola dubia Linn.* Sp. Pl. 17, (1753).

*Ilysanthes attenuata* Small in Bull. Torr. Bot. Club 23. 297. (1896).

Wild Rice (O. A. Stevens).

*LIMOSELLA* Lindern, Tournef. Alsalt 5. (1728), ex. Linn. Fl. Lapp. 206. (1737).

*Plantaginella* Bauhin, Pinax 190. (1623).

923. **Limosella aquatica** Mera ad Clusium (1593); Linn. Sp. Pl. 631. (1753).

*Plantaginella palustris* Bauhin, Pinax l. c.

*Menyanthoides palustris* Vail Par. 126. (1787).

Ward County: Des. Lacs; Leeds (rare).

*VERONICA* Fuchsius Pl. Hist., 60 (1546) and probably in an earlier edition of (1542); Tour. 60. (1700); Linn. Gen. 14. (1737) and 10. (1754).

924. **Veronica scutellata** Gesner. Op. Bot. Schmied. ed. tab. aen. 10. f. 87 (1751-1771); Linn. Sp. Pl. 12. (1753).

Peninsula of Lake Ibsen (extinct).

925. **Veronica acutifolia** Gesn. de Stirp. Coll. (in Kyb.

Lex. Arg. 1553) and (Wolf. ed. 1587); Caesalp. Herb. Thornab 173. (1563); Gilib. Exerc. Phytolog. p. 109. No. 69.

*Veronica Anagallis aquatica* Linn. Sp. Pl. 12. (1753).

Willow Creek near Dunsieth; Kulm (Brenckle).

926. **Veronica americana** Schwein.; Benth. in DC. Prodr. 10: 468. (1846).

Pleasant Lake.

927. **Veronica xalapensis** H. B. K. Nov. Gen. & Sp. 2: 389. (1817).

*Veronica peregrina* Am. Authors; not Linn.

Leeds.

*AGALINIS* Rafinesque. N. Fl. 2. 61 (1836).

*Gerardia* Plumier, Nov. Gen. Pl. 30. (1703); Linn. Gen. 181. (1737), 266. (1754). The type G. is a South American plant. The consensus of N. Am. Bot. (except Harvard Univ.) is that there is no real *Gerardia* in U. S.

1220. **Agalinis aspera** (Dougl.) Britton in Ill. Flor. 2nd ed. 211. (1913).

*Gerardia aspera* Dougl.; Benth. in DC. Prodr. 10: 517. (1846).

Pingree (Stutsman County).

928. **Agalinis Greenei** Lunell, sp. nov.

Planta annua, gracilis, 10–30cm. alta, plerumque simplex, infra autem interdum ramea. Caulis inferne glabratus, superne asper, in angulis saltem. Folia linearia pilis rigidis brevibus albis marginata. Inflorescentia caulis et ramorum racemosa, pedicellis florum brevibus oppositis ex axillis foliorum exortis. Corolla circiter 1.5cm. longa roseo-purpurea, extus breviter pubescens. Capsula obconica, circiter 7mm. alta, aeque longa atque calyx vel eo brevior. Semina atra "argyreo"-punctata. Folia et flores exsiccandi colores naturales retinent.

Annual, slender, 10–30cm. high, mostly simple, but sometimes branching even below the middle, the branches usually being so short as to give a virgate appearance to the stem, which is glabrate below and rough above, at least on the angles. Leaves linear, with stiff, short, white hairs on the margins. Inflorescence racemosely arranged on the stem and branches, with the short-pedicelled flowers opposite (one of them often only rudimentary) in the leaf axils. Calyx teeth triangular-lanceolate, 1-3—1-4 as long as the tube. Buds cream-colored. Corolla about 1.5 cm. long, rose-purple, short-pubescent without. Capsule obconical, about 7mm.

high, 4mm. wide near the top and gradually becoming narrower toward the base, as long as the calyx or even shorter. Seeds black, "silvery" dotted. Leaves and flowers retain their natural colors in drying.

In ditches with the subsurface clay bare; Leeds (extinct in the type locality, but in 1916, August 28, found in another ditch, not far from the original spot).

Its nearest ally, *A. aspera*, is a larger plant, 30–60mm. high, fastigiately branched, with its lower branches longer than the upper, flowers opposite or alternate in the axils of the leaves, calyx teeth triangular-ovate, about 1-2 as long as the tube, corolla about 2.5 cm. long, deep purple, capsule ellipsoid, about 10mm. high, almost twice as long as the calyx, the herbage blackened in drying, and it is a plant of the dry plains and hills.

On August 19, 1915 Dr. Edw. L. Greene, accompanied by the writer, had a short buggy ride in the country adjoining Leeds. He was too weak to leave his seat, and whenever some plants attracted his attention, I went for them and dug them up. The last plant we made an effort to locate was the one just described. One or two years earlier I had found it in a ditch, but since then some rural nature mender had made a pasture of the plot, and the ditch had ceased to be a refuge for this plant. It was now extinct, and later in the day Dr. Greene was too tired to look for it in my herbarium. He insisted that *A. aspera* grows only in dry, elevated ground, never in ditches, and that this must be a distinct species.

The foregoing statement I trust will serve as a reasonable explanation why it happened that the plant here described was named in his honor, it being the last one the beloved, immortal master looked for during his last visit to his floral realm.

929. **Agalinis Besseyana** Britton, Ill. Flor., 2nd ed. 211. (1913).

*Gerardia Besseyana* Britton, Mem. Torr. Bot. Club 5: 295. (1894).

*Gerardia tenuifolia* var. *macrophylla* Benth. Comp. Bot. Mag. I: 209. (1835). Not *G. macrophylla* Benth.

Leeds (extinct). Jamestown.

*CASTILLEIA* Mutis; Linn. f. Suppl. 47. (1781).

930. **Castilleia sessiliflora** Pursh, Fl. Am. Sept. 738. (1814). Butte, Towner.

*ORTHOCARPUS* Nutt. Gen. 2: 56. (1818).

931. **Orthocarpus luteus** Nutt. Gen. 2:57. (1818).

Leeds, Des Lacs; Kulm (Brenckle).

*PEDICULARIA* Tragus, St. Hist. 249. (1552)—he has *Pedicularia;* Tourn. 77. (1700); Linn. Gen. 184. (1737), 726. (1754).

932. **Pedicularia lanceolata** Michx. Fl. Bor. Am. 2: 18. (1803) Towner, Pleasant Lake.

Family 111. **LENTIBULARIACEAE** Lindl. Veg. Kingd. 686. (1847).

*LENTIBULARIA* Gesner. Col. Stirp. (1587), Rir. Mon. 58. (1690).

*Utricularia* Linn. Gen. 5. (1737), 11. (1754).

933. **Lentibularia vulgaris** var. **americana** (Gray) Nwd. & Ll.

*Utricularia vulgaris* var. *Americana* Gray.

Leeds.

934. **Lentibularia intermedia** (Vaillant) Nwd. & Ll.

*Utricularia intermedia* Vaillant, Mem. Ac. Sci. 28. (1719).?
ırh. Beitr. 5:178; Hayne in Schrad. Journ. Bot. I: 18. (1800).

Towner; Walhalla (No. 389, L. R. Waldron).

Family 112. **OROBANCHACEAE** Lindl. Nat. Syst. ed. 2: 287. (1836).

*APHYLLON* Mitchell, Diss. Brevis de Prin. Bot. et Zool. cum Append. Aliquot Gen. Pl. etc. Norimbergae (1769), 1st edition (1748).

*Thalesia* Raf. Am. Month. Mag. 2:267. (1818).

935. **Aphyllon fasciculatum** T. & G. in Gray. Man. ed. 2: 281. (1856).

*Orobanche fasciculata* Nutt. Gen. Pl. 2: 59. (1818).

*Thalesia fasciculata* (Nutt.) Britton, Mem. Torr. Bot. Club 5: 298. (1894).

Fort Mandan (type locality). On *Artemisia frigida* Leeds, Butte; on *Artemisia caudata* Pleasant Lake.

Family 113. **PHRYMACEAE** Schauer in DC. Prodr. II: 520. (1847).

*LEPTOSTACHYA* Mitchell in Act. Phys.=Med. Nat. Cur. VIII: 212. (1748). "Dabam ex aedibus meis Virginiae 17 11-3 41" (Mitchell), when he presented his new genera, meant as a supplement of Am. plants to Linnaei Gen. (1737), but L. overlooked it with some other genera. It should have precedence over *Phryma* Linn. Gen. Nov. 1092. (1751), ex Amoen. Acad. also.

936. **Leptostachya carolinensis** O. Kuntze, Rev. Gen. Pl. I: 508. (1891).

*Phryma leptostachya* Linn. Sp. Pl. 601. (1753).

Pleasant Lake; Wahpeton (Bergman).

Family 114. **PLANTAGINEAE** Vent. II: 269. (1799).

*PLANTAGO* Plinius XXV: 8 vel. 39. *Themison* Plinius ibid.

937. **Plantago maior** Cuba Hort. Sanit. 308. (1485); Fuchs, Hist. Stirp.; Camer.; Linn. Sp. Pl. 112. (1753).

Butte.

938. **Plantago maior** var. **luxuriosa** Lunell in A. Midl. Nat. Vol. I: 236. (1910).

Turtle Mountains, Pleasant Lake.

939. **Plantago asiatica** Linn. Sp. Pl. 113. (1753).

Leeds, Pleasant Lake.

940. **Plantago nitrophila** A. Nels. Bull. Torr. Bot. Club. 29. :405. (1902).

Bottom of dry coulée, Leeds; dry bottom of Lake Ibsen.

941. **Plantago minor** Plinius l. c.!! also Fuchsius Hist. 14. (1546); not *P. minor* Fries, which is $=$*P. tenuiflora* W. Kit.

*Plantago lanceolata* Cuba Hort. Sanit. ed. Germ. no. 308. (1485)[1] *Plantago lanceolata* Tabern. Krtb. 2. 1111; Tragus, Stirp Hist. 225; J. Bauhin, Hist. Pl. 3: 31; Linn. Sp. Pl. 113, (1753).

Fargo (Cl. Waldron); Kulm (Brenckle).

942. **Plantago eriopoda** Torr. Ann. Lyc. N. Y. 2: 237. (1827).

Leeds.

943. **Plantago Purshii** Roem. & Schult. Syst. 3: 120. (1818).

*Plantago gnaphaloides* Nutt. Gen. I: 100 (1818).

*Plantago patagonica* var. *gnaphaloides* Gray. Man. ed. 2: 269. (1856).

Towner; Emmons County (Brenckle).

944. **Plantago aristata** Michx. Fl. Bor. Am. I: 95. (1803).

*Plantago patagonica* var. *aristata* Gray. l. c.

Glen Ullin (Bergman).

945. **Plantago elongata** Pursh, Fl. Am. Sept. 729. (1814).

Dickinson (Cl. Waldron).

---

[1] "Es ist auch eyn ander krut, plantago genannt, die heyszet zu latin *lanceolata* wan sye wechset uff mit spitzen blettern als eyn lantz ysen."

Family 115. **RUBIACEAE** B. Juss. Hort. Trian. (1759).

*CHAMISME* (Raf.) Nwd. in Am. Midl. Nat. Vol. IV. 92. (1915).

*Houstonia* segregate.

946. **Chamisme ciliolata** (Torr.) Nwd. l. c.

*Houstonia cililata* Torr. Fl. N. U. S. I: 173. (1824).

At least the lower leaves are ciliolate. Leeds, Butte (rare).

*GALIUM* Diosc. 4: 96 (4:80 in Ruellius' edition). *Aparine* Theophr., not *Galium Aparine* Theophr.! *Lappa* Virgilius ex Fee. Fl. Virg. 75, also Plinius XXI: 17, ex Fee.

947. **Galium Aparine** Linn. Sp. Pl. 108. (1753).

*Aparine aspera* Thalius, Sylva Herc. 10. (1588).

*Aparine vulgaris* C. Bauhin, Pin. 334. (1623).

Peninsula of Lake Ibsen.

948. **Galium boreale** G. Bauhin, Pin. 145; Linn. Sp. 108. (1753).

Devils Lake, Turtle Mountains.

949. **Galium boreale** var. **linearifolium** Rydb.

Leeds, Butte, Oberon.

950. **Galium luteum** (Diosc.) Ruellius, Nat. Stirp. 124. (1543), also Ruellius, Diosc. 350. (1547); Cord., Pen., Lob., G. Bauhin, Zannich.; Gilib. Exerc. Phyt.

*Galium verum* J. Bauhin, Linn. Sp. Pl. 107. (1753).

Dickinson (Cl. Waldron).

951. **Galium triflorum** Michx. Fl. Bor. Am. I: (80 (1803).

Peninsula of Lake Ibsen, Towner, Turtle Mountains.

952. **Galium trifidum** Linn. Sp. Pl. 105. (1753).

Peninsula of Lake Ibsen.

Family 116. **CAPRIFOLIACEAE** Vent. Tabl. 2: 593. (1799).

*VIBURNUM* Virgilius. "Quantum lenta solent inter viburna cupressi."—Ecl. I: 26, ex Fee. Fl. Virg.; Matthioli, Comment. Diosc. 124. (1554); Gesner, Hort. Germ. 185. (1561); Camerarius, De Plant. Epit. 122. (1586); Castor Durante = *V. Lantana* Linn., not *V. Tinus* as Britton would have us believe in Ill. Fl. III: 269. (1913). *Tinus* and *Viburnum* may be considered separate genera [See Spach VIII: 315. (Tinus) and 306. (Viburnum). (1839)].

953. **Viburnum Opulus** var. **americanum.**

Pleasant Lake, Turtle Mountains.

954. **Viburnum Lentago** Linn. Sp. Pl. 268. (1753).

Turtle Mountains, Pleasant Lake, Devils Lake.

955. **Viburnum Lentago** var. **sphaerocarpum.**

Minot.

*SYMPHORICARPOS* Juss. Gen. 211. (1789).

956. **Symphoricarpos pauciflorus** (Robbins) Britt. Mem. Torr. Bot. Club 5: 305. (1894).

*Symphoricarpos racemosus* var. *pauciflorus* Robbins; A. Gray Man. ed. 5: 203. (1867).

Turtle Mountains.

957. **Symphoricarpos occidentalis** Hook. Fl. Bor. Am. I: 285. (1833).

Leeds, Peninsula of Lake Ibsen, Devil's Lake.

*CAPRIFOLIUM* Cuba Hort. Sanit. 139. (1485) = *Lonicera Caprifolium.*

958. **Caprifolium glaucescens** (Rydb. ) Nwd. & Ll1.

*Lonicera glaucescens* Rydb. Bull. Torr. Club. 24: 90. (1897).

*Lonicera Douglasii* Hook. Fl. Bor. Am. I: 282. (1833). Not *Caprifolium Douglasii* Lindl. (1830).

Towner, Devils Lake, Turtle Mountains.

959. **Caprifolium tataricum** (Linn.) Nwd. & Ll1.

*Lonicera tatarica* Linn. Sp. Pl. 173. (1753).

Leeds.

Family 117. **CUCURBITACEAE** B. Juss. Hort. Trianon (1759).

*MICRAMPELIS* Raf. Med. Rep. (II.) 5: 350. (1808).

*Echinocystis* T. & G. Fl. N. A. I: 540. (1840).

960. **Micrampelis lobata** (Michx.) Greene, Pittonia 2: 128. (1890).

*Sicyos lobata* Michx. Fl. Bor. Am. 2: 217. (1803).

*Echinocystis lobata* T. & G. Fl. N. A. I: 542. (3840).

Towner, Minot.

Family 118. **CAMPANULACEAE** Juss. Gen. 163. (1789).

*CAMPANULA* Fuchsius, Fl. 151 b. (1646), Dodonaeus, etc.

961. **Campanula intercedens** Witasek. Abh. Zool. Bot. Ges. Wien I, III, 43.

Leeds, Towner.

962. **Campanula intercedens** var. (described and perhaps named in some manuals, but I have been unable to find the name.)

Tall and slender, leaves very thin and elongated, often 1 dm. long. Pleasant Lake.

963. **Campanula sibirica** Linn. Sp. Pl. 167. (1753).
Belfield (O. A. Stevens).

*PETROMARULA* Belli (1601) ex Clusio Rar. Plant. Hist. pag. CCXCIX. Epis. ad Clusium. Not *Petromarula* Vent. Hedw. f. Gen. 139. (1806) = *Phyteuma.*

*Lobelia* Linn. Fl. Lapp. 227. (1737), Gen. 267. (1737). Not *Lobelia* Plum. Nov. Gen. Pl. 231. (1703). Contradicente Linn. ipso in Gen. Pl. 1737, l. c. quia Plumieri planta habet "fructum C. *mollem,* ovatum, succi plenum & ossiculo D. foetum oblongo," etc. = *Scaevola* Linn. Mant. 145. 1771).

*Rapuntium* Columna (1649); Morison, Hist, 2466; Hernandez; Tour. Inst. 163. (1700); Boerhave, Plumier, Spec. 5.

*Cardinalis* Rivini Rupp. Gen. 201. (1726).

*Dortmanna* Rudbeck, Act. (1720) p. 91. t. 2 (as to Dortmanna, if not a separate genus).

964. **Petromarula hirtella** (A. Gray) Nwd. & Ll.
*Lobelia hirtella* (A. Gray) Greene, Pittonia III. 349. (1898).
*Lobelia spicata hirtella* A. Gray, Syn. Fl. 2: 6. (1878).
Leeds, Butte.

965. **Petromarula strictiflora** (Rydb.) Nwd. & Ll.
*Lobelia strictiflora* (Rydb.) in Bull. Leeds Herb. No. 2, p. 8 (1908).
*Lobelia Kalmii strictiflora* Rydb. Fl. of Montana 378. (1900).
Butte, Towner.

Family 119. **CICHORIACEAE** Reich. Fl. Excurs. 248. (1831). Caesalp. De Plant. (1583), p. 506: .. .. .. "Cap . . . Primum . . . Iam prosequamur Cicoriaceae, quae propter aqueam humiditatem frigido constant temperamento; plurima autem succo lacteo constant, qui adultis magis inest, quo tempore et amariora redduntur, et minus esui apta, cum caulescunt. Flos omnium numerosis foliolis constat, luteis aut caeruleis; semina autem magna ex parte papposa sunt."

*TRAGOPOGON* Theophr. Hist. Plant. 7:7 = *Tragopogon porrifolius* = *Come* of Plinius, 21: 15, 28: 13; Diosc. 2.: 173; Tour. Élém. 379. (1694); Linn. Gen. 235. (1737).

966. **Tragopogon porrifolius** Linn. Sp. Pl. 789. (1753).
Leeds.